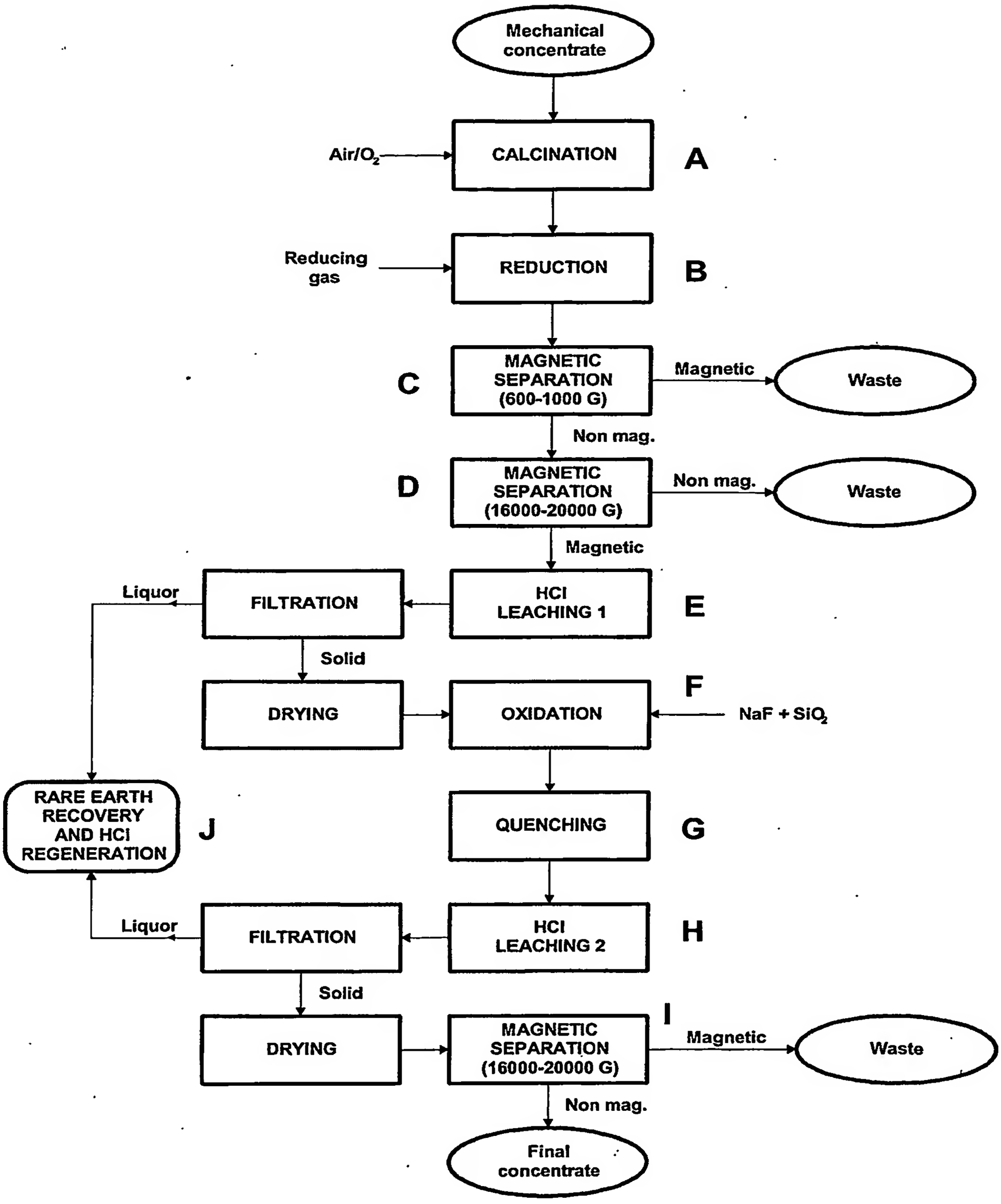
Mechanical concentrate
Air/O_2
CALCINATION
A
Reducing gas
REDUCTION
B
C
MAGNETIC SEPARATION (600-1000 G)
Magnetic
Waste
Non mag.
D
MAGNETIC SEPARATION (16000-20000 G)
Non mag.
Waste
Magnetic
Liquor
FILTRATION
HCl LEACHING 1
E
Solid
DRYING
OXIDATION
F
NaF + SiO_2
RARE EARTH RECOVERY AND HCl REGENERATION
J
QUENCHING
G
Liquor
FILTRATION
HCl LEACHING 2
H
Solid
DRYING
MAGNETIC SEPARATION (16000-20000 G)
I
Magnetic
Waste
Non mag.
Final concentrate

FIG. 1